3052TG-STANSOT

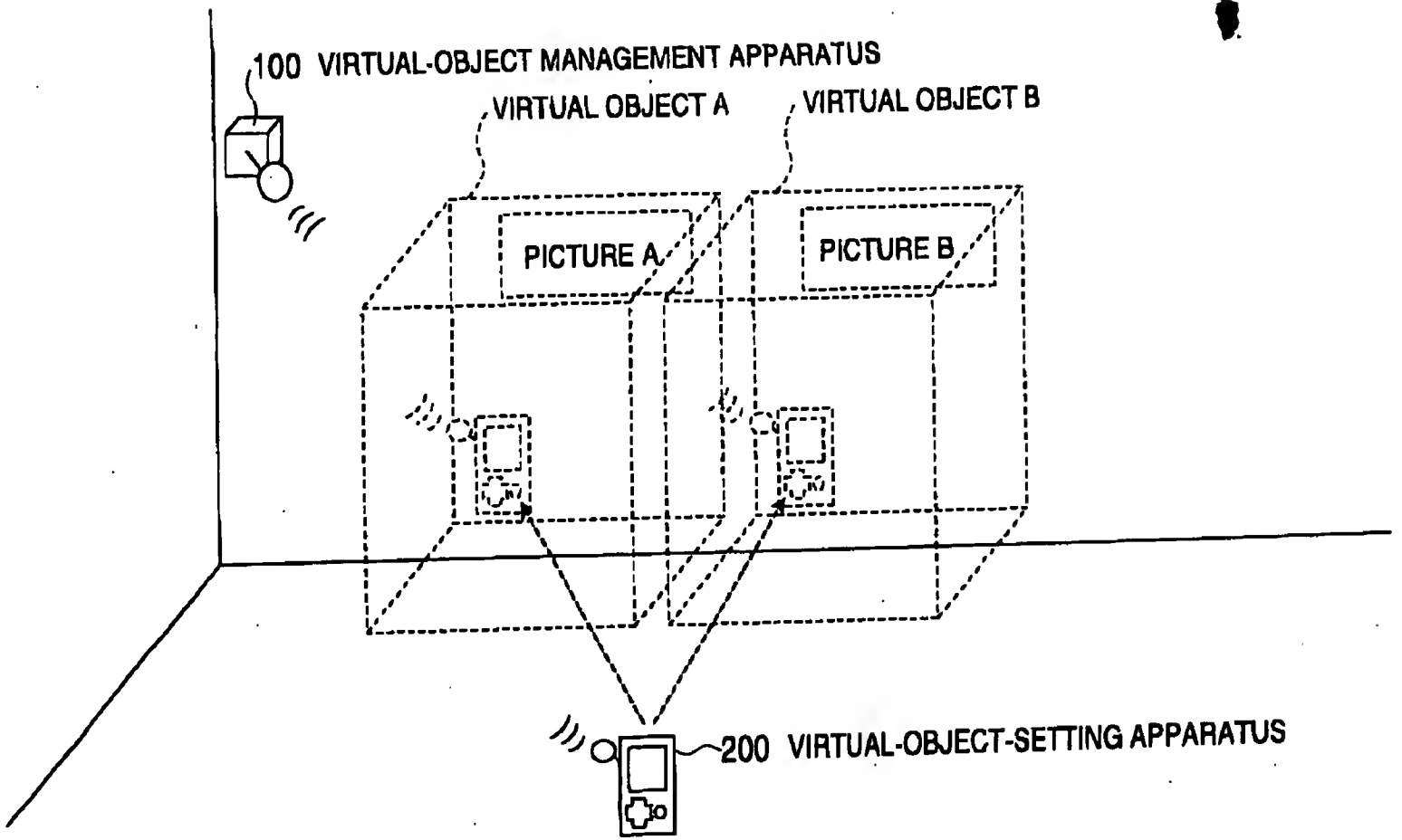

FIG. 1

20070 6T6n50T

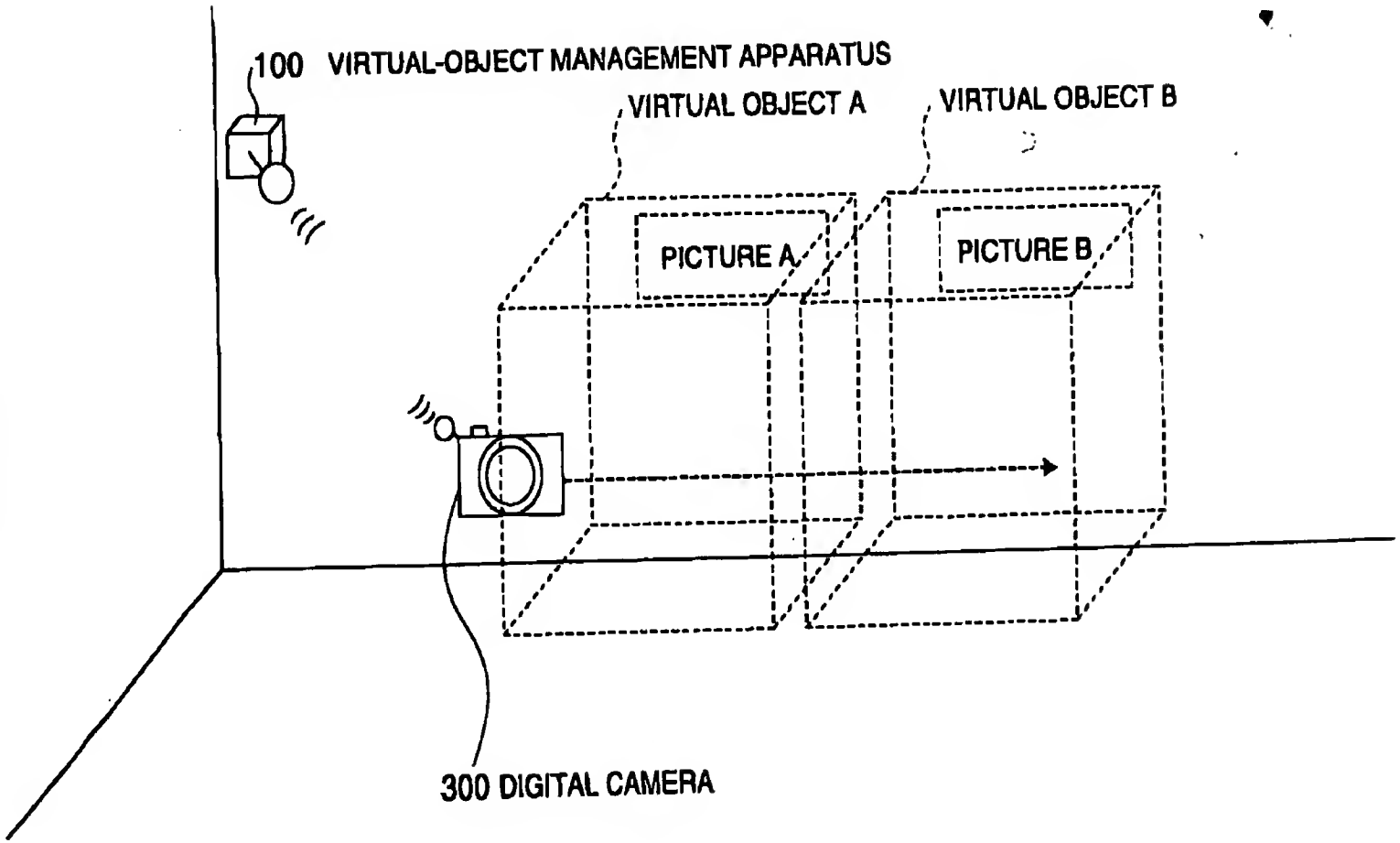

FIG. 2

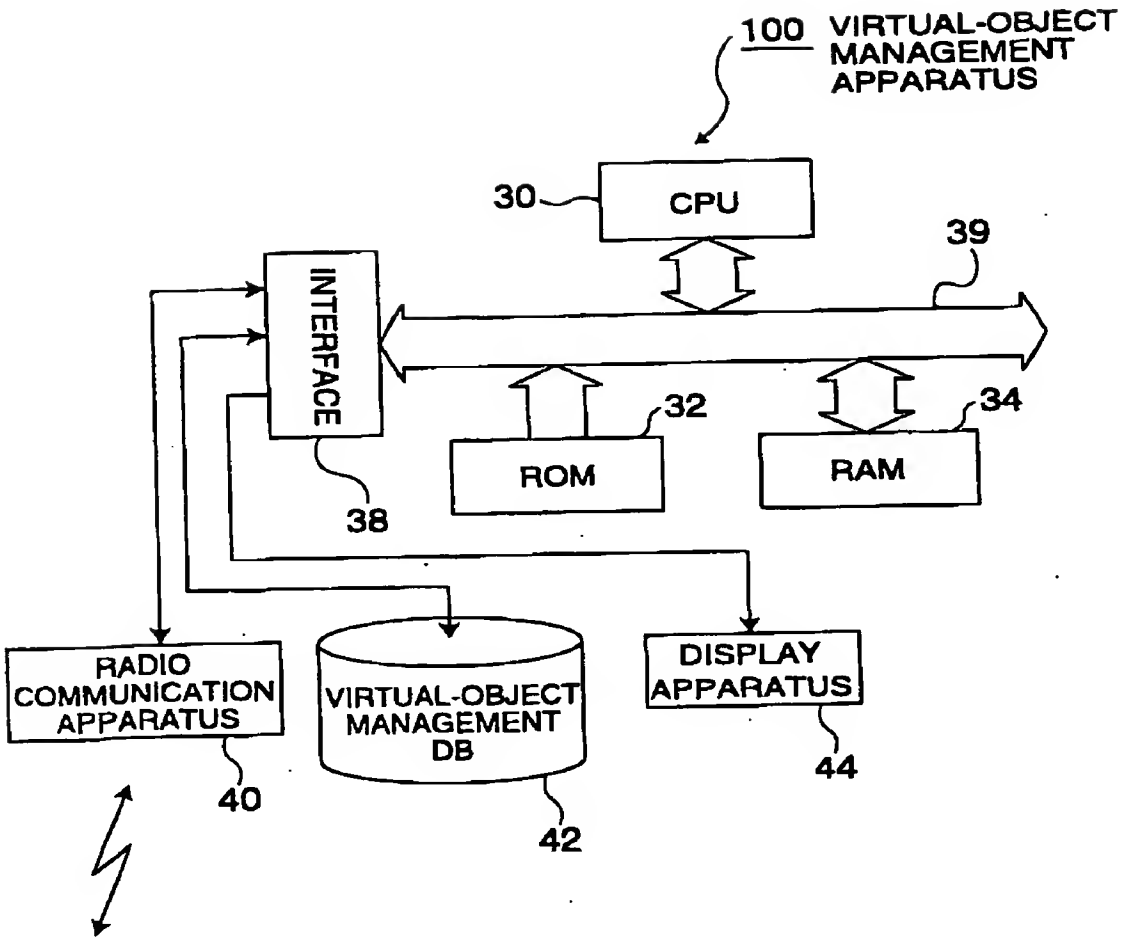
100 VIRTUAL-OBJECT MANAGEMENT APPARATUS
30
CPU
39
INTERFACE
32
34
ROM
RAM
38
RADIO COMMUNICATION APPARATUS
VIRTUAL-OBJECT MANAGEMENT DB
DISPLAY APPARATUS
40
42
44

FIG. 3

20S6T0 6T6h90Gt

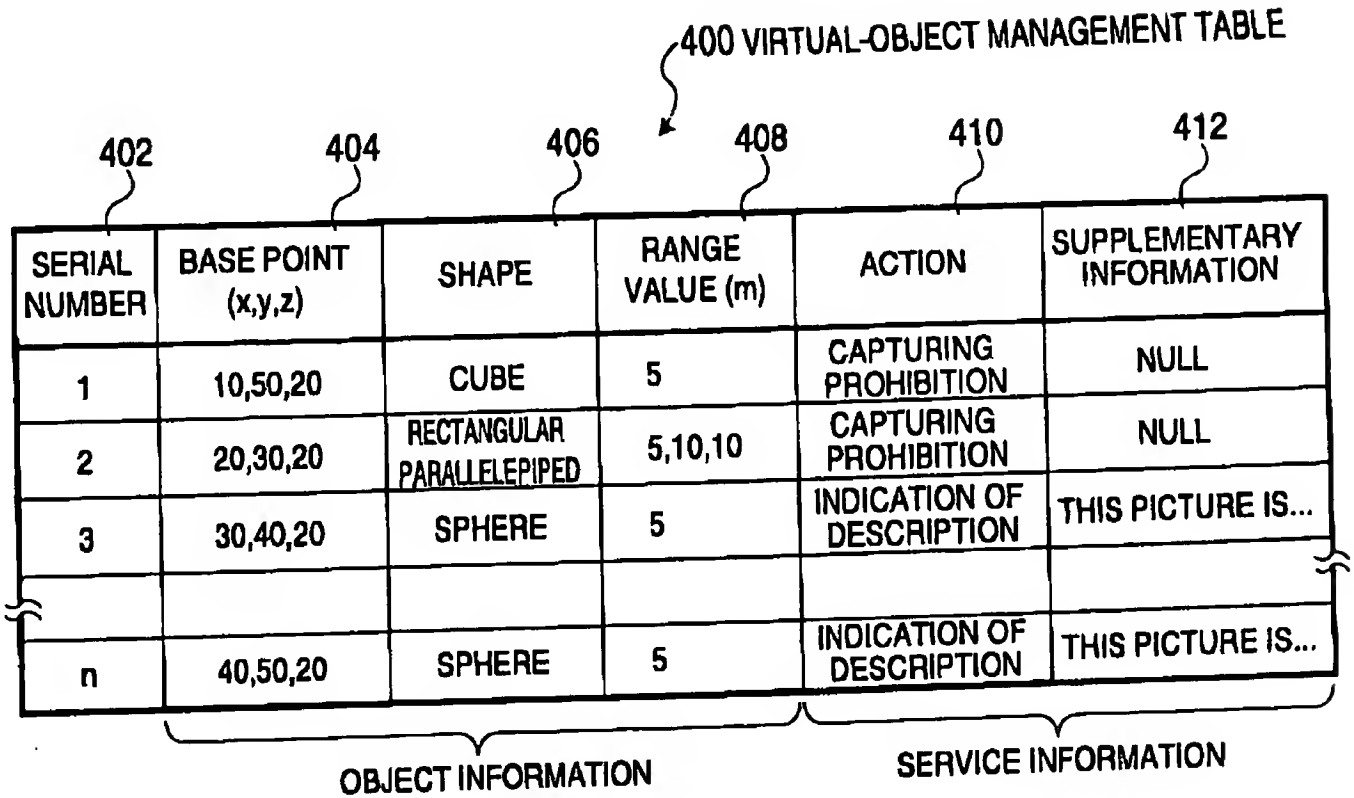

FIG.4

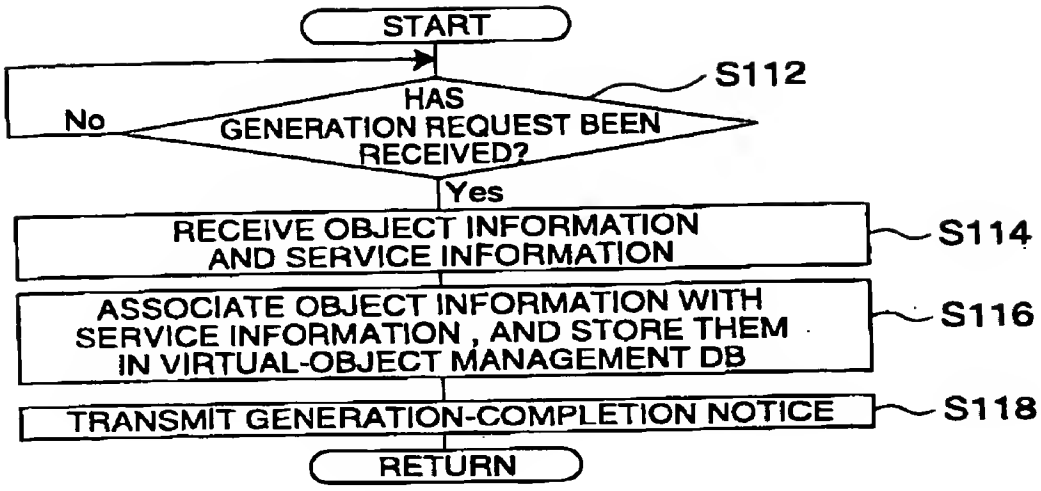
START
S112
HAS GENERATION REQUEST BEEN RECEIVED?
No
Yes
RECEIVE OBJECT INFORMATION AND SERVICE INFORMATION
S114
ASSOCIATE OBJECT INFORMATION WITH SERVICE INFORMATION , AND STORE THEM IN VIRTUAL-OBJECT MANAGEMENT DB
S116
TRANSMIT GENERATION-COMPLETION NOTICE
S118
RETURN

FIG.5

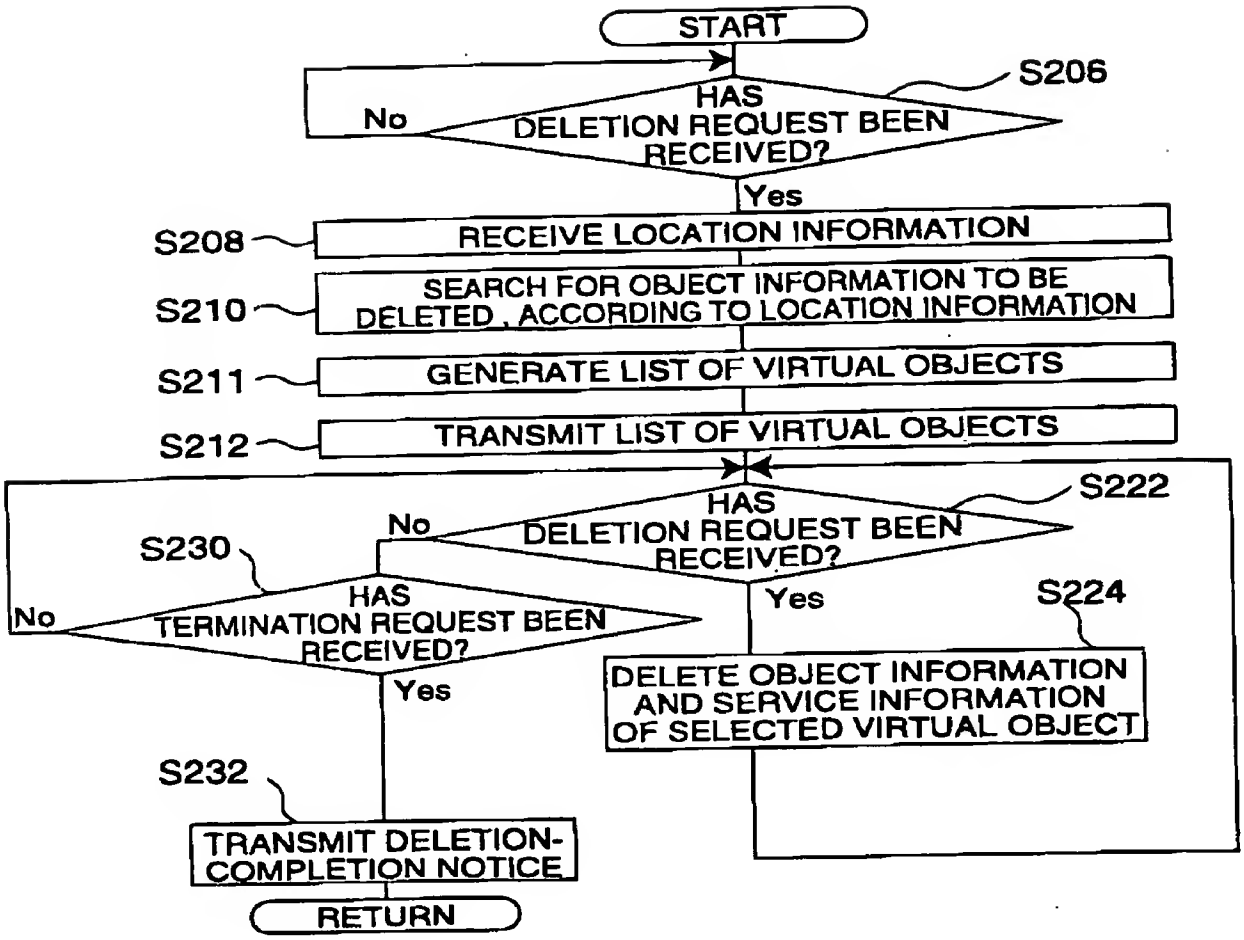
START
S206
HAS DELETION REQUEST BEEN RECEIVED?
No
Yes
S208
RECEIVE LOCATION INFORMATION
S210
SEARCH FOR OBJECT INFORMATION TO BE DELETED, ACCORDING TO LOCATION INFORMATION
S211
GENERATE LIST OF VIRTUAL OBJECTS
S212
TRANSMIT LIST OF VIRTUAL OBJECTS
S222
HAS DELETION REQUEST BEEN RECEIVED?
No
Yes
S224
DELETE OBJECT INFORMATION AND SERVICE INFORMATION OF SELECTED VIRTUAL OBJECT
S230
HAS TERMINATION REQUEST BEEN RECEIVED?
No
Yes
S232
TRANSMIT DELETION-COMPLETION NOTICE
RETURN

FIG.6

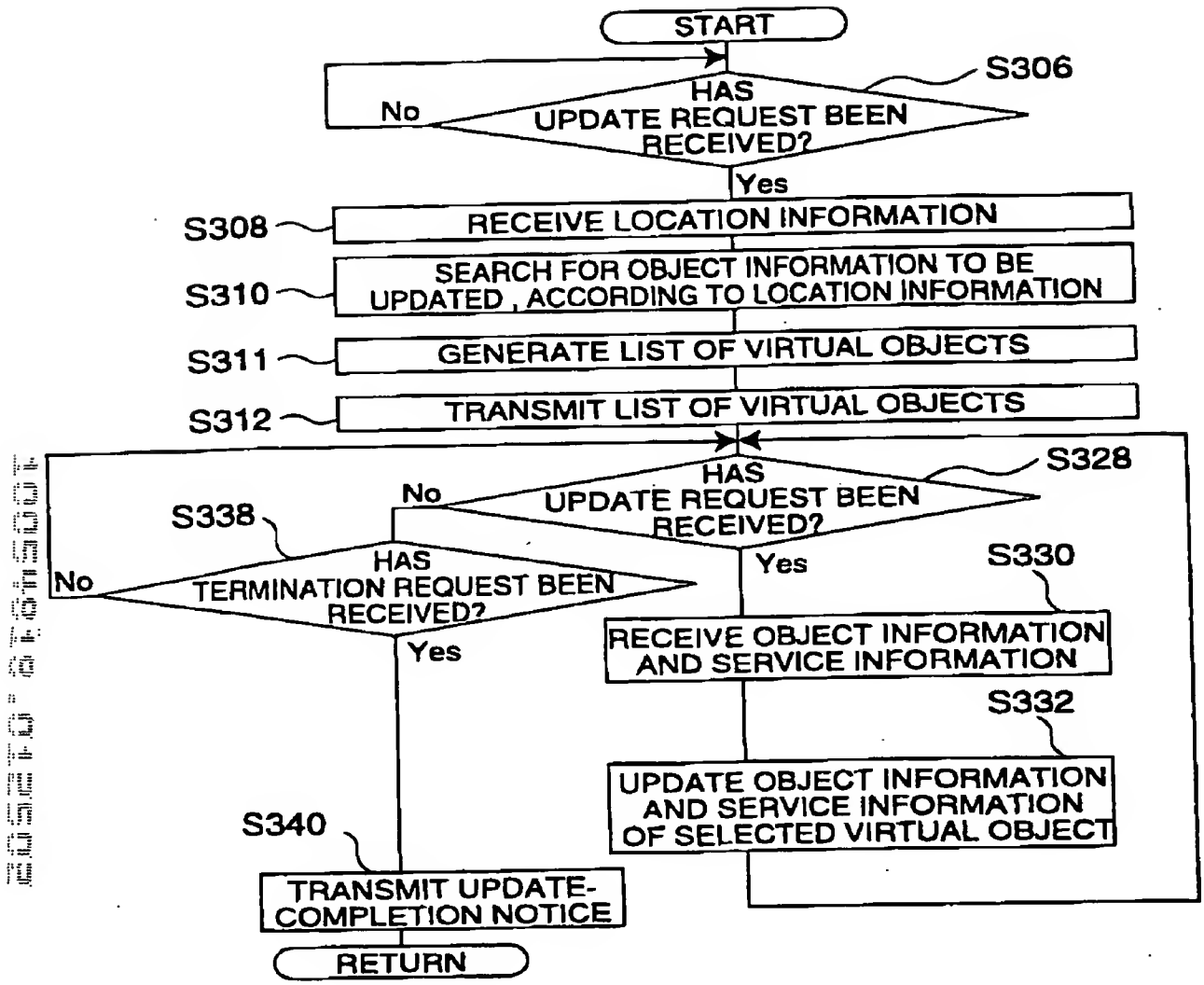
START
S306
HAS UPDATE REQUEST BEEN RECEIVED?
No
Yes
S308
RECEIVE LOCATION INFORMATION
S310
SEARCH FOR OBJECT INFORMATION TO BE UPDATED, ACCORDING TO LOCATION INFORMATION
S311
GENERATE LIST OF VIRTUAL OBJECTS
S312
TRANSMIT LIST OF VIRTUAL OBJECTS
S328
HAS UPDATE REQUEST BEEN RECEIVED?
No
Yes
S330
RECEIVE OBJECT INFORMATION AND SERVICE INFORMATION
S332
UPDATE OBJECT INFORMATION AND SERVICE INFORMATION OF SELECTED VIRTUAL OBJECT
S338
HAS TERMINATION REQUEST BEEN RECEIVED?
No
Yes
S340
TRANSMIT UPDATE-COMPLETION NOTICE
RETURN

FIG.7

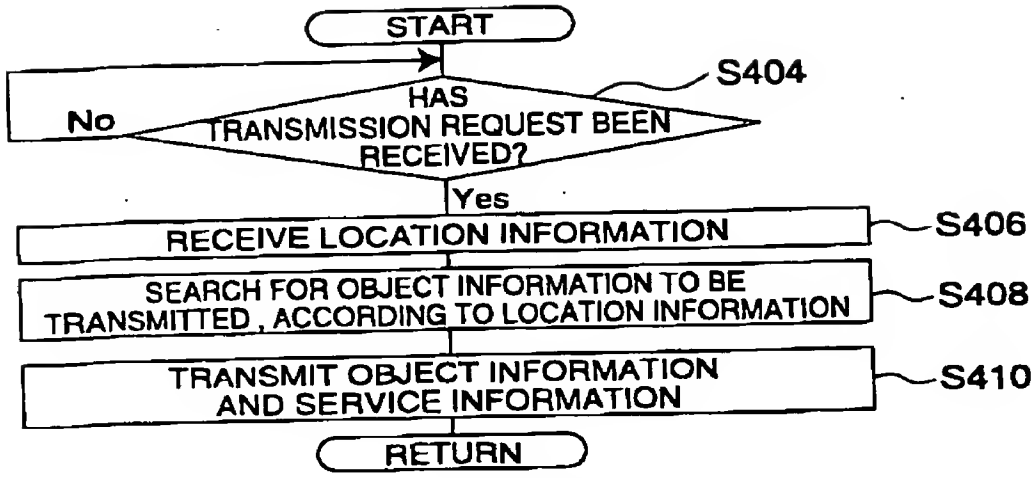
START
S404
HAS TRANSMISSION REQUEST BEEN RECEIVED?
No
Yes
RECEIVE LOCATION INFORMATION
S406
SEARCH FOR OBJECT INFORMATION TO BE TRANSMITTED, ACCORDING TO LOCATION INFORMATION
S408
TRANSMIT OBJECT INFORMATION AND SERVICE INFORMATION
S410
RETURN

FIG.8

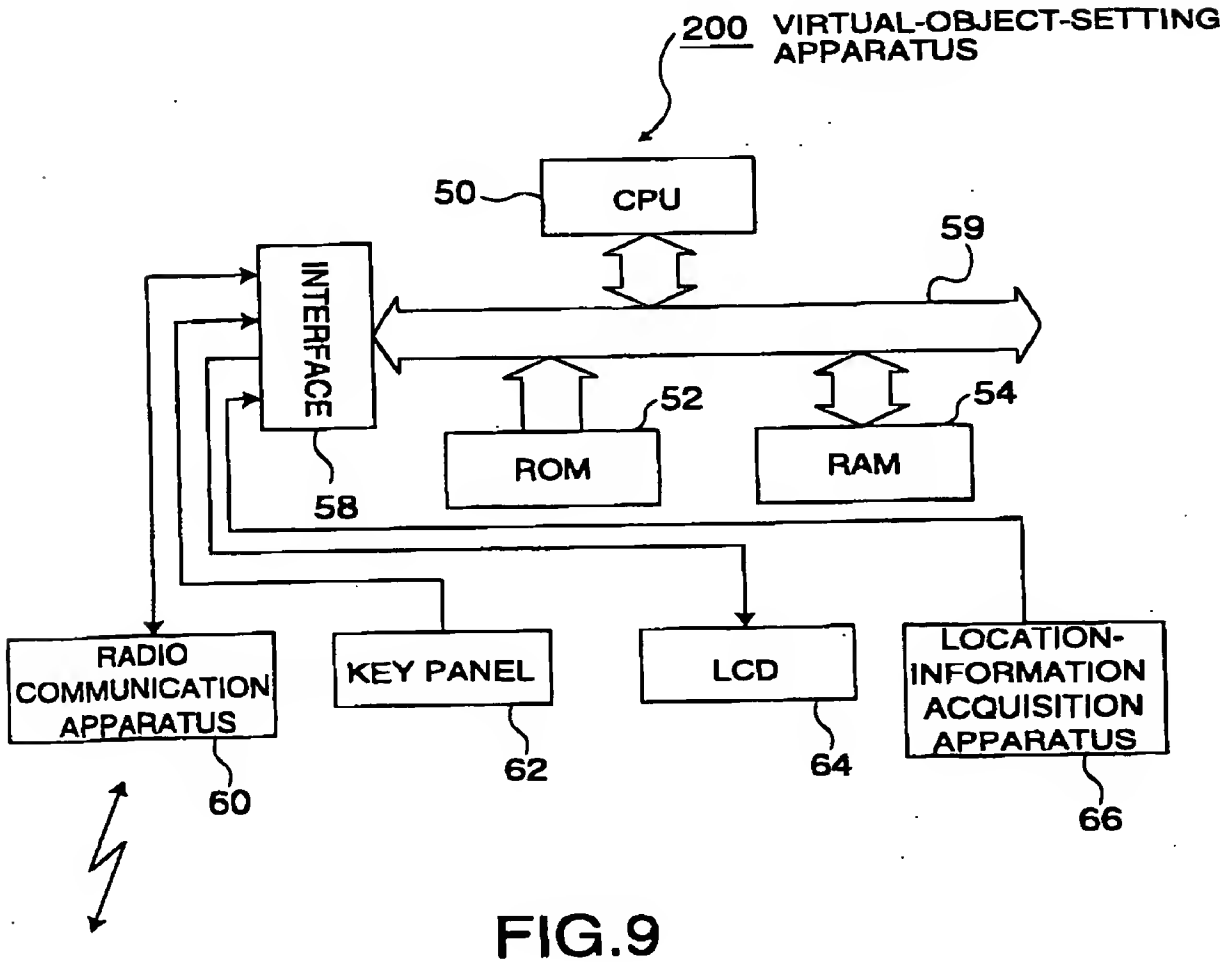
200 VIRTUAL-OBJECT-SETTING APPARATUS
50
CPU
59
INTERFACE
52
54
ROM
RAM
58
RADIO COMMUNICATION APPARATUS
KEY PANEL
LCD
LOCATION-INFORMATION ACQUISITION APPARATUS
60
62
64
66

FIG.9

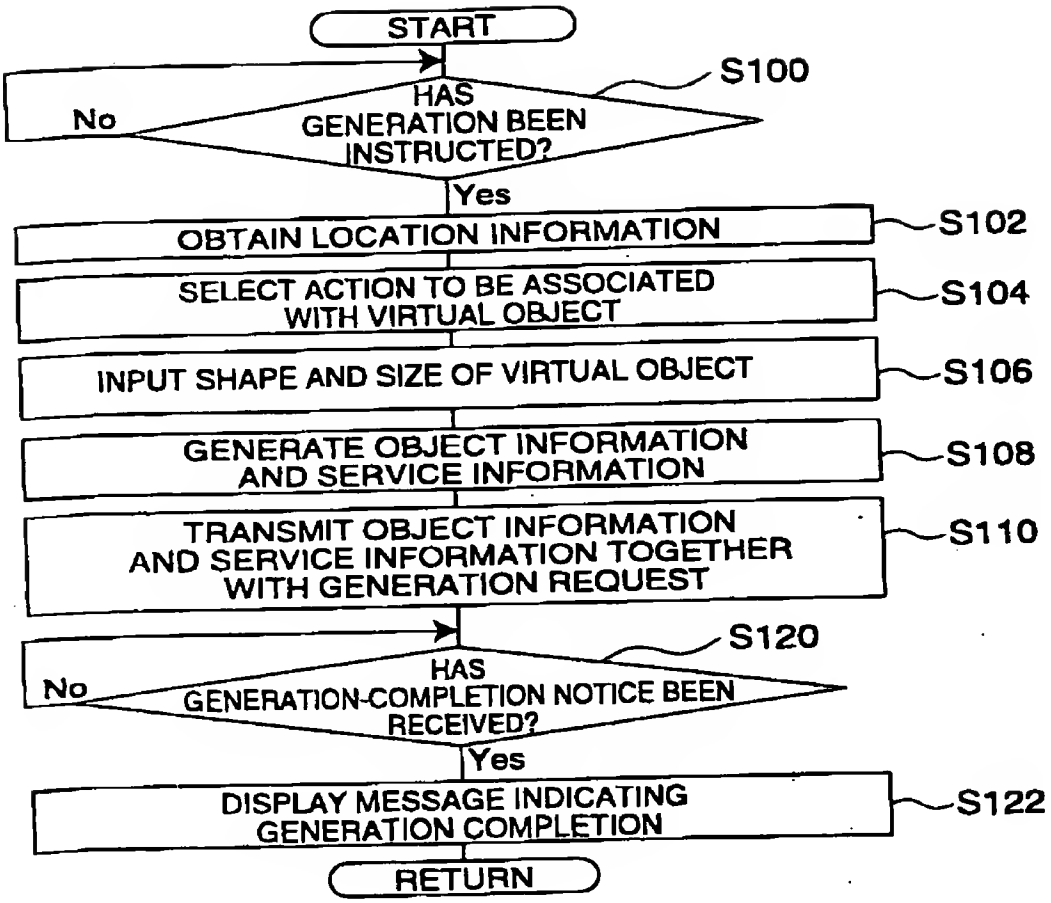
START
S100
HAS GENERATION BEEN INSTRUCTED?
No
Yes
OBTAIN LOCATION INFORMATION
S102
SELECT ACTION TO BE ASSOCIATED WITH VIRTUAL OBJECT
S104
INPUT SHAPE AND SIZE OF VIRTUAL OBJECT
S106
GENERATE OBJECT INFORMATION AND SERVICE INFORMATION
S108
TRANSMIT OBJECT INFORMATION AND SERVICE INFORMATION TOGETHER WITH GENERATION REQUEST
S110
S120
HAS GENERATION-COMPLETION NOTICE BEEN RECEIVED?
No
Yes
DISPLAY MESSAGE INDICATING GENERATION COMPLETION
S122
RETURN

FIG.10

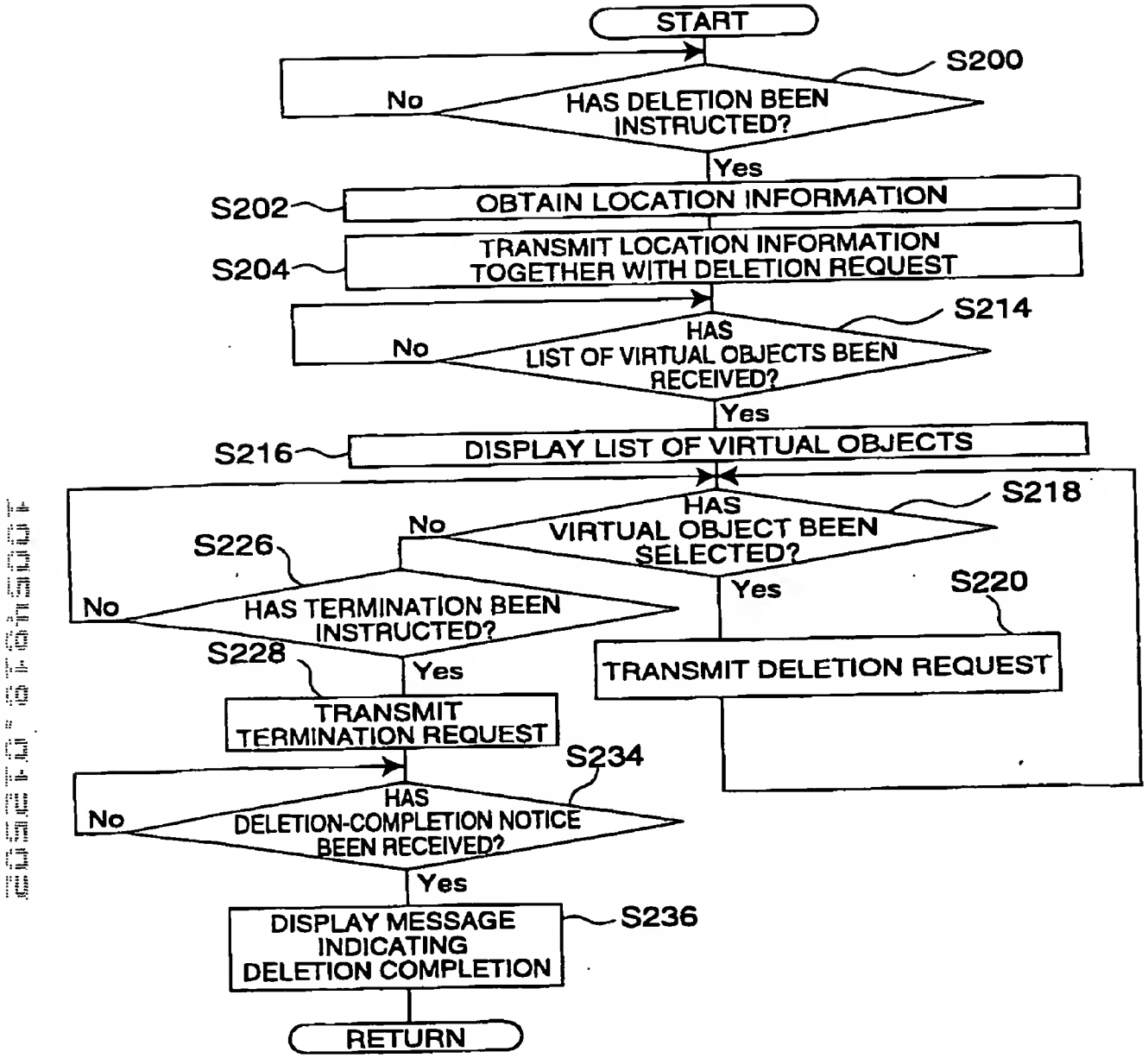
START
S200
No
HAS DELETION BEEN INSTRUCTED?
Yes
S202
OBTAIN LOCATION INFORMATION
S204
TRANSMIT LOCATION INFORMATION TOGETHER WITH DELETION REQUEST
S214
No
HAS LIST OF VIRTUAL OBJECTS BEEN RECEIVED?
Yes
S216
DISPLAY LIST OF VIRTUAL OBJECTS
S218
No
HAS VIRTUAL OBJECT BEEN SELECTED?
Yes
S220
TRANSMIT DELETION REQUEST
S226
No
HAS TERMINATION BEEN INSTRUCTED?
Yes
S228
TRANSMIT TERMINATION REQUEST
S234
No
HAS DELETION-COMPLETION NOTICE BEEN RECEIVED?
Yes
S236
DISPLAY MESSAGE INDICATING DELETION COMPLETION
RETURN

FIG.11

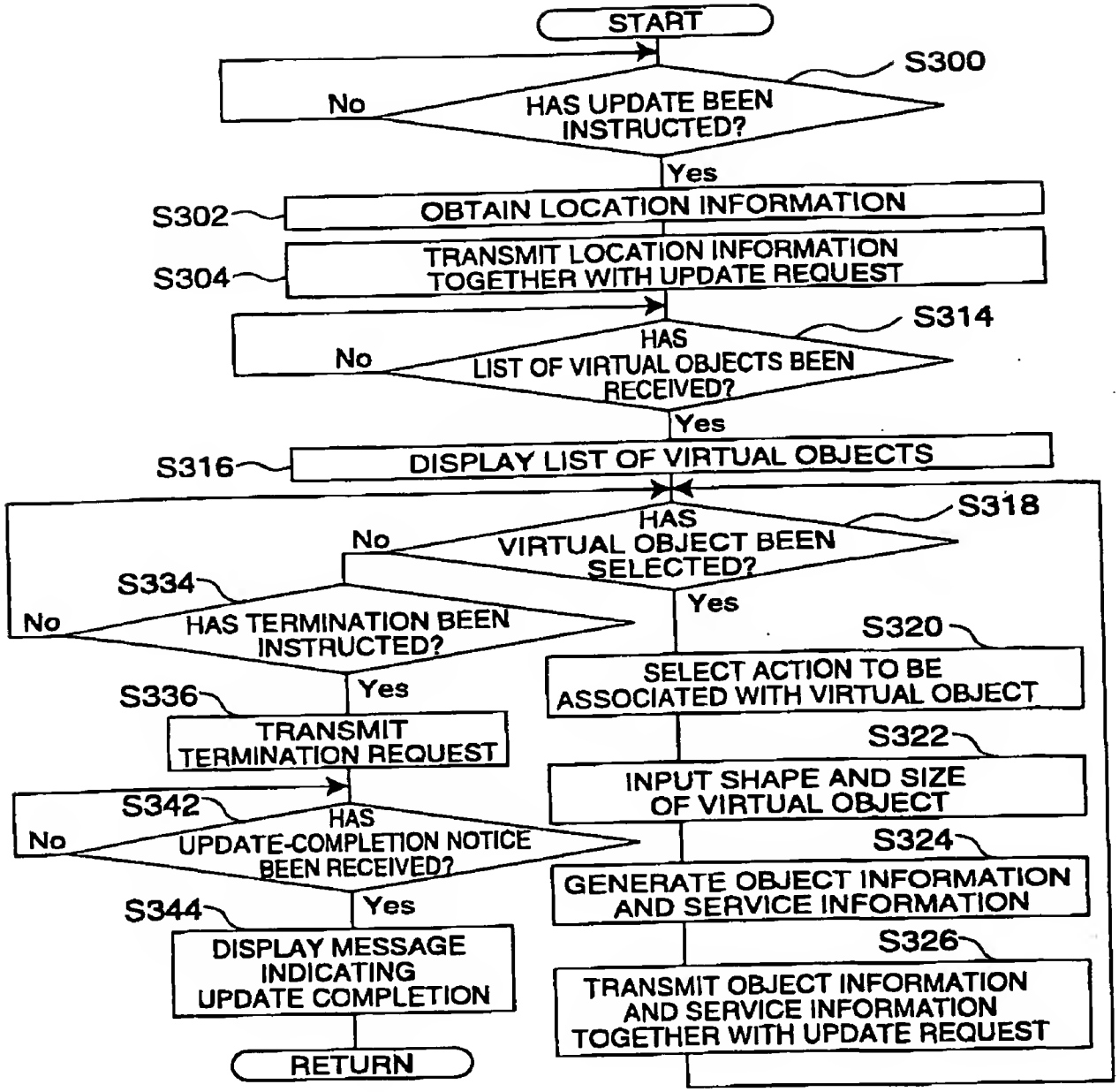
START
S300
No
HAS UPDATE BEEN INSTRUCTED?
Yes
S302
OBTAIN LOCATION INFORMATION
S304
TRANSMIT LOCATION INFORMATION TOGETHER WITH UPDATE REQUEST
S314
No
HAS LIST OF VIRTUAL OBJECTS BEEN RECEIVED?
Yes
S316
DISPLAY LIST OF VIRTUAL OBJECTS
S318
No
HAS VIRTUAL OBJECT BEEN SELECTED?
Yes
S334
No
HAS TERMINATION BEEN INSTRUCTED?
Yes
S336
TRANSMIT TERMINATION REQUEST
S342
No
HAS UPDATE-COMPLETION NOTICE BEEN RECEIVED?
Yes
S344
DISPLAY MESSAGE INDICATING UPDATE COMPLETION
RETURN
S320
SELECT ACTION TO BE ASSOCIATED WITH VIRTUAL OBJECT
S322
INPUT SHAPE AND SIZE OF VIRTUAL OBJECT
S324
GENERATE OBJECT INFORMATION AND SERVICE INFORMATION
S326
TRANSMIT OBJECT INFORMATION AND SERVICE INFORMATION TOGETHER WITH UPDATE REQUEST

FIG.12

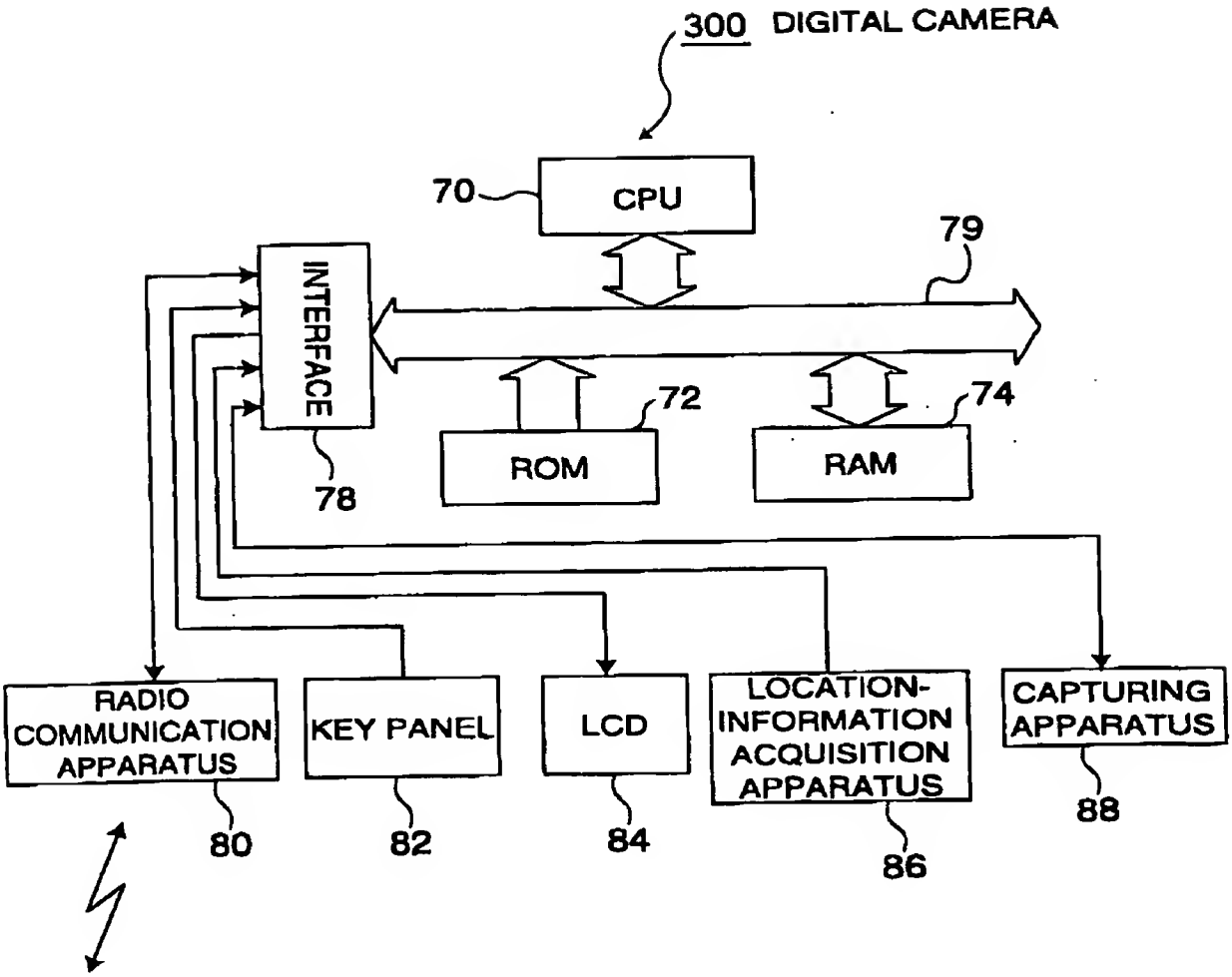
300 DIGITAL CAMERA
70
CPU
79
INTERFACE
72
74
ROM
RAM
78
RADIO COMMUNICATION APPARATUS
KEY PANEL
LCD
LOCATION-INFORMATION ACQUISITION APPARATUS
CAPTURING APPARATUS
80
82
84
86
88

FIG.13

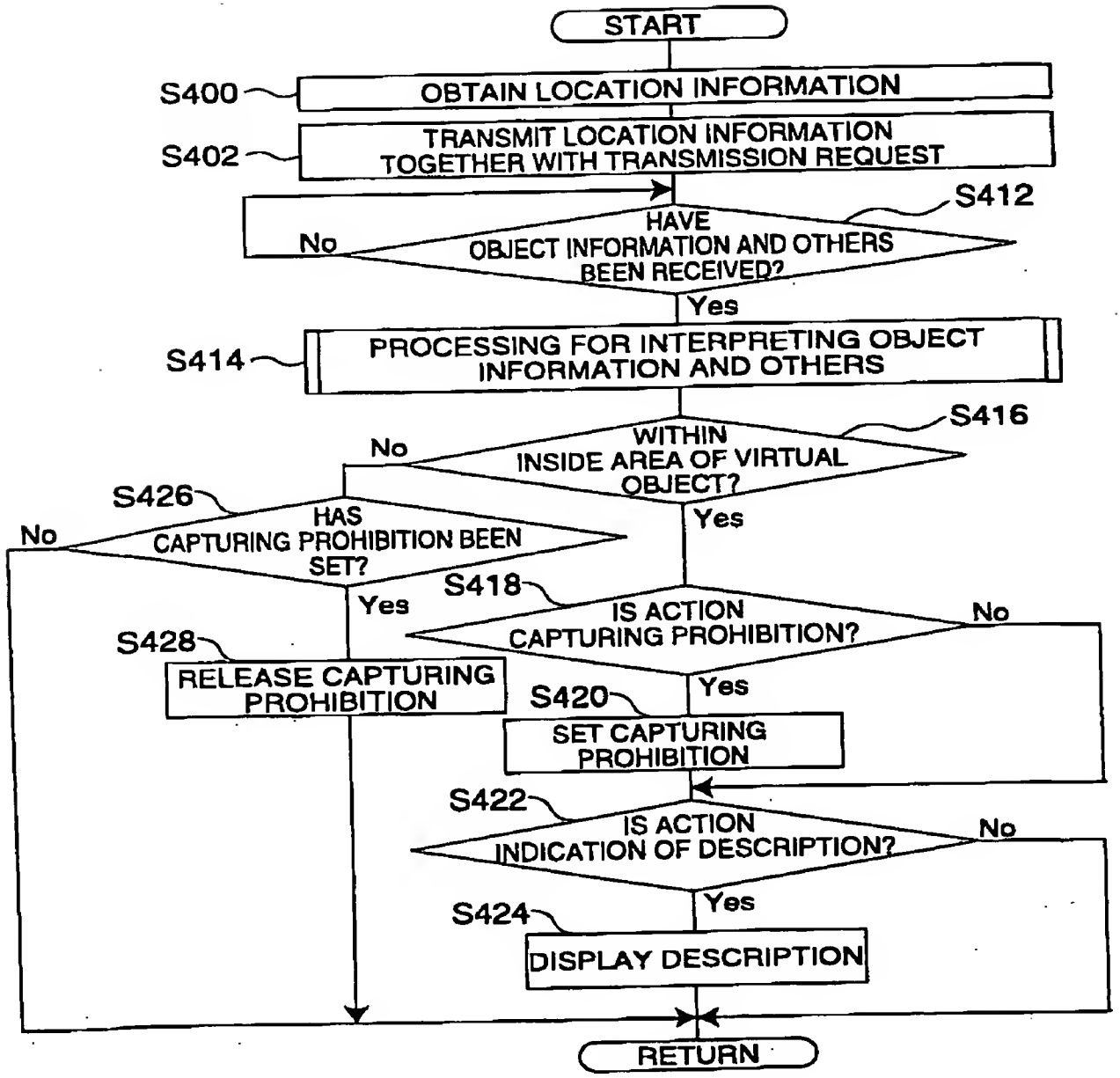
START
S400
OBTAIN LOCATION INFORMATION
S402
TRANSMIT LOCATION INFORMATION TOGETHER WITH TRANSMISSION REQUEST
S412
HAVE OBJECT INFORMATION AND OTHERS BEEN RECEIVED?
No
Yes
S414
PROCESSING FOR INTERPRETING OBJECT INFORMATION AND OTHERS
S416
WITHIN INSIDE AREA OF VIRTUAL OBJECT?
No
Yes
S426
HAS CAPTURING PROHIBITION BEEN SET?
No
Yes
S418
IS ACTION CAPTURING PROHIBITION?
No
Yes
S428
RELEASE CAPTURING PROHIBITION
S420
SET CAPTURING PROHIBITION
S422
IS ACTION INDICATION OF DESCRIPTION?
No
Yes
S424
DISPLAY DESCRIPTION
RETURN

FIG.14